



## ENVIRONMENTAL MANAGEMENT PROGRAM REFUSE DISPOSAL DIVISION

### Surface Maintenance (NPDES)

Process Map Number(s): SM-01

**Background / Purpose:** The Local Enforcement Agency and Regional Water Quality Control Board regulate activity at our landfills through enforcement of the Clean Water Act. By developing Best Management Practices and implementing additional controls we should be able to eliminate NOV's and potential fines throughout the year.

**Objective:** Resource Conservation / Continuous Improvement

**Related Significant Aspects:** Improper Drainage, Water Use

**Target:** Improve upon NPDES Best Management Practices (BMP) program

**Target Completion Date(s):** Additional controls installed by October 31, 2001

**Action Plan:** Keep sedimentation basin pumped out between storm events (10 weeks), install BMPs to include: mulching slopes (52,400 yds<sup>3</sup>), silt fencing (200 lineal feet), erosion control mats (1,520 yds<sup>2</sup>) and straw wattles (900 lineal feet), apply tackifier to selected slopes.

**Responsible Person(s):** Landfill Engineer, PO II, Associate Engineer (NPDES)

**Resources Required:** Water pump, piping, fuel to pump out sedimentation basin, mulch, tackifier, silt fencing, erosion control mats and straw wattles.

**Environmental Performance Indicator(s):** Number of Notices of Violation issued per year, number of fines per year, number of additional BMPs instituted at landfill sites.

**Comments (including other expected benefits or cost savings):** Minimize potential for fines from the regulator (Regional Water Quality Control Board –San Diego or L.E.A.)

**Baseline Data:** Mulch totals averaged 20,000 to 40,000 yds<sup>3</sup>/year, Silt fencing averaged less than 100 lineal feet/year, and there was no pump down of the sedimentation basin.

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Project Officer II (Inactive Landfills)  
Landfill Engineer  
Environmental Management Representative

See back for EMP Schedule

<b>EMP Schedule</b>					
<b>Step</b>	<b>Action Items</b>	<b>Responsibilities</b>	<b>Role</b>	<b>Schedule</b>	<b>Resources Required</b>
1	Install water pump, piping, and J stand for desilting basin	Landfill Engineer Landfill Ops	Lead Support	3/01/01	Water pump, welding machine, piping, J stand, labor
2	Pump down basin between storm events	Landfill Engineer Landfill Ops	Lead Support	After each storm event	Fuel and Labor
3	Instruct tanker crew on filling tanker with pond water	Landfill Ops Supervisors	Lead	3/01/01	Tailgate Meeting
4	Apply additional Mulch to slopes	Landfill Engineer Landfill Ops	Lead Support	10/31/01	Mulch, Scraper, Dozer, Labor, Fuel
5	Apply "tackifier" to selected slopes	PO II Surface Maint Staff	Lead Support	10/31/01	Tackifier, pumper truck
6	Add additional Straw Wattles to base of slopes	Landfill Engineer Landfill Ops	Lead Support	10/31/01	Straw Wattles and Labor
7	Install additional Silt Fencing to on low perm stockpiles	Landfill Engineer Landfill Ops	Lead Support	10/31/01	Silt Fencing and Labor
8	Install additional Erosion Control Mats to drainage channel	Landfill Engineer Landfill Ops	Lead Support	10/31/01	Erosion Control Mats, Staples, Labor